



[MODIFIED]

PTO/SB/52 (07-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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REISSUE APPLICATION DECLARATION BY THE ASSIGNEE(S)

Docket Number (optional)

021028-0305369

I hereby declare that:

The residence, mailing address and citizenship of the inventors are stated below.

I am authorized to act on behalf of one of the following assignees: DSM IP Assets B.V.; JSR Corporation; Japan Fine Coatings Co., Ltd.

and the title of my position with said assignee is: Proxy for DSM IP Assets B.V.

The entire title to the patent identified below is vested in said assignee(s).

Inventor Tetsuya YAMAMURA Citizenship Japan

Residence/Mailing Address
2-15-2-504 Umezona, Tsukuba, Ibaraki, 305, Japan

Inventor Tsuyoshi WATANABE Citizenship Japan

Residence/Mailing Address
3-17-305 Namiki, Tsukuba, Ibaraki, 305, Japan

☒ Additional Inventors are named on separately numbered sheets attached hereto.

Patent Number 6,365,644 Date of Patent Issued
April 2, 2002

Title of Invention
PHOTO-CURABLE RESIN COMPOSITION USED FOR PHOTO-FABRICATION OF THREE-DIMENSIONAL OBJECT

I believe said inventor(s) to be the original and first inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled:

PHOTO-CURABLE RESIN COMPOSITION USED FOR PHOTO-FABRICATION OF THREE-DIMENSIONAL OBJECT

the specification of which

☐ is attached hereto.

☒ was filed on September 26, 2003 as reissue application number 10 / 671,438

and was amended on _____
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

☒ I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b). Attached is form PTO/SB/02B (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

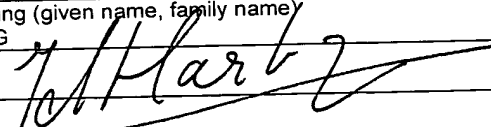
☒ by reason of other errors.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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REISSUE APPLICATION DECLARATION BY THE ASSIGNEE		Docket Number (Optional) 021028-0305369											
<p>At least one error upon which reissue is based is described as follows:</p> <p>Claim 14 does not further limit claim 11.</p> <p style="text-align: center;">[Attach additional sheets, if needed.]</p> <p>All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.</p>													
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<p>as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.</p>													
<p>Correspondence Address: Direct all communications about the application to:</p> <div style="display: flex; align-items: center;"><div style="margin-right: 10px;"><input checked="" type="checkbox"/> Customer Number:</div><div style="border: 1px solid black; padding: 5px; flex-grow: 1;">00909</div></div> <p style="text-align: center; margin: 10px 0;">OR</p> <div style="display: flex;"><div style="width: 20%;"><input type="checkbox"/> Firm or Individual Name</div><div style="width: 80%;"></div></div> <div style="display: flex;"><div style="width: 20%;">Address</div><div style="width: 80%;"></div></div> <div style="display: flex;"><div style="width: 20%;">Address</div><div style="width: 80%;"></div></div> <div style="display: flex;"><div style="width: 20%;">City</div><div style="width: 30%;"></div><div style="width: 10%;">State</div><div style="width: 20%;"></div><div style="width: 10%;">Zip</div><div style="width: 10%;"></div></div> <div style="display: flex;"><div style="width: 20%;">Country</div><div style="width: 80%;"></div></div> <div style="display: flex;"><div style="width: 20%;">Telephone</div><div style="width: 30%;"></div><div style="width: 10%;">Fax</div><div style="width: 40%;"></div></div>													
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.</p>													
<p>Full name of person signing (given name, family name) Jeroen DEN HARTOG</p>													
Signature 		Date											
<p>Address of Assignee Het Overloon 1, 6411 TE Heerlen, The Netherlands</p>													



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REISSUE APPLICATION DECLARATION BY THE ASSIGNEE(S)

Docket Number (optional)

021028-0305369

I hereby declare that:

The residence, mailing address and citizenship of the inventors are stated below.

I am authorized to act on behalf of one of the following assignee(s): DSM IP Assets B.V.; JSR Corporation; Japan Fine Coatings Co., Ltd.

and the title of my position with said assignee is: General Manager for JSR Corporation

The entire title to the patent identified below is vested in said assignee(s).

Inventor <u>Tetsuya YAMAMURA</u>	Citizenship <u>Japan</u>
-------------------------------------	-----------------------------

Residence/Mailing Address <u>2-15-2-504 Umezona, Tsukuba, Ibaraki, 305, Japan</u>
--

Inventor <u>Tsuyoshi WATANABE</u>	Citizenship <u>Japan</u>
--------------------------------------	-----------------------------

Residence/Mailing Address <u>3-17-305 Namiki, Tsukuba, Ibaraki, 305, Japan</u>

☒ Additional Inventors are named on separately numbered sheets attached hereto.

Patent Number <u>6,365,644</u>	Date of Patent Issued <u>April 2, 2002</u>
-----------------------------------	---

Title of Invention
PHOTO-CURABLE RESIN COMPOSITION USED FOR PHOTO-FABRICATION OF THREE-DIMENSIONAL OBJECT

I believe said inventor(s) to be the original and first inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled:

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the specification of which

☐ is attached hereto.

☒ was filed on September 26, 2003 as reissue application number 10 / 671,438

and was amended on _____
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

☒ I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b). Attached is form PTO/SB/02B (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

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☒ by reason of other errors.

[Page 1 of 2]

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REISSUE APPLICATION DECLARATION BY THE ASSIGNEE		Docket Number (Optional) 021028-0305369																																					
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37119

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REISSUE APPLICATION DECLARATION BY THE ASSIGNEE(S)		Docket Number (optional) 021028-0305369
I hereby declare that: The residence, mailing address and citizenship of the inventors are stated below. I am authorized to act on behalf of one of the following assignees: <u>DSM IP Assets B.V.; JSR Corporation; Japan Fine Coatings Co., Ltd.</u> and the title of my position with said assignee is: <u>Authorized Signing Officer for Japan Fine Coatings Co., Ltd.</u> The entire title to the patent identified below is vested in said assignee(s).		
Inventor Tetsuya YAMAMURA	Citizenship Japan	
Residence/Mailing Address 2-15-2-504 Umezona, Tsukuba, Ibaraki, 305, Japan		
Inventor Tsuyoshi WATANABE	Citizenship Japan	
Residence/Mailing Address 3-17-305 Namiki, Tsukuba, Ibaraki, 305, Japan		
<input checked="" type="checkbox"/> Additional Inventors are named on separately numbered sheets attached hereto.		
Patent Number 6,365,644	Date of Patent Issued April 2, 2002	
Title of Invention PHOTO-CURABLE RESIN COMPOSITION USED FOR PHOTO-FABRICATION OF THREE-DIMENSIONAL OBJECT		
I believe said inventor(s) to be the original and first inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled: <u>PHOTO-CURABLE RESIN COMPOSITION USED FOR PHOTO-FABRICATION OF THREE-DIMENSIONAL OBJECT</u> the specification of which <input type="checkbox"/> is attached hereto. <input checked="" type="checkbox"/> was filed on <u>September 26, 2003</u> as reissue application number <u>10</u> / <u>671,438</u> and was amended on _____ (If applicable) I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56. <input checked="" type="checkbox"/> I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b). Attached is form PTO/SB/02B (or equivalent) listing the foreign applications. I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.) <input type="checkbox"/> by reason of a defective specification or drawing. <input checked="" type="checkbox"/> by reason of the patentee claiming more or less than he had the right to claim in the patent. <input checked="" type="checkbox"/> by reason of other errors.		

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<p>Full name of person signing (given name, family name) Katsutoshi IGARASHI</p>													
Signature <i>K. Igashii</i>		Date											
Address of Assignee 2-11-24, Tsukiji Chuo-ku, Tokyo 104, Japan													



J7117

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Docket Number (Optional)

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At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

- At least one error: Claim 14 does not further limit claim 11.

- Broadening: This is a broadening reissue. Note that new composition claims 51 and 66 do not list the epoxy compounds enumerated in claim 1. Also, new claims 51 and 66 do not state that an H-shaped object obtained by curing the composition has a dimensional accuracy value of less than or equal to 0.10 mm.

[Page 1 of 2]

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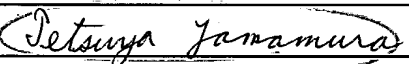
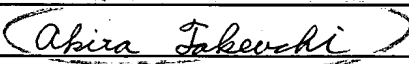
37119

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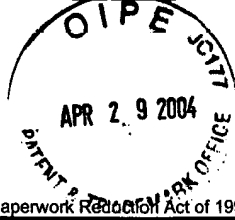
(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)				Docket Number (Optional)	
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.					
Note: To appoint a power of attorney, use form PTO/SB/81.					
Correspondence Address: Direct all communications about the application to:					
<input checked="" type="checkbox"/> Customer Number:		00909			
OR					
<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
City		State		Zip	
Country					
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Full name of sole or first inventor (given name, family name) Tetsuya YAMAMURA					
Inventor's signature 			Date Feb. 13, 2004		
Residence Ibaraki, Japan			Citizenship Japan		
Mailing Address 2-15-2-504 Umezona, Tsukuba, Ibaraki, 305, Japan					
Full name of second joint inventor (given name, family name) Tsuyoshi WATANABE					
Inventor's signature			Date		
Residence Ibaraki, Japan			Citizenship Japan		
Mailing Address 3-17-305 Namiki, Tsukuba, Ibaraki, 305, Japan					
Full name of third joint inventor (given name, family name) Akira TAKEUCHI					
Inventor's signature 			Date Feb. 16, 2004		
Residence Ibaraki, Japan			Citizenship Japan		
Mailing Address 2-13-28-212 Kawaguchi, Tsuchiura, Ibaraki, 300, Japan					
<input checked="" type="checkbox"/> Additional joint inventors or legal representative(s) are named on separately numbered sheets forms PTO/SB/02A or 02LR attached hereto.					

DECLARATION – Supplemental Priority Data Sheet**Foreign applications:**

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
96-352893	Japan	12/13/1996	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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PTO/SB/51 (07-03)

Approved for use through 01/31/2004. OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)

021028-0305369

I hereby declare that:

Each inventor's residence, mailing address and citizenship are stated below next to their name.

I believe the inventors named below to be the original and first inventor(s) of the subject matter which is described and claimed in patent number 6,365,644, granted April 2, 2002 and for which a reissue patent is sought on the invention entitled PHOTO-CURABLE RESIN COMPOSITION USED FOR PHOTO-FABRICATION OF THREE-DIMENSIONAL OBJECT

the specification of which

☐ is attached hereto.☒ was filed on September 26, 2003 as reissue application number 10/671.438

and was amended on _____
(If applicable)

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

☒ I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b). Attached is form PTO/SB/02B (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.☒ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

- At least one error: Claim 14 does not further limit claim 11.

- Broadening: This is a broadening reissue. Note that new composition claims 51 and 66 do not list the epoxy compounds enumerated in claim 1. Also, new claims 51 and 66 do not state that an H-shaped object obtained by curing the composition has a dimensional accuracy value of less than or equal to 0.10 mm.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Docket Number (Optional)

(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

Note: To appoint a power of attorney, use form PTO/SB/81.

Correspondence Address: Direct all communications about the application to:

☒ Customer Number: 00909

OR

☐ Firm or
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name) Tetsuya YAMAMURA

Inventor's signature

Date

Residence
Ibaraki, JapanCitizenship
JapanMailing Address
2-15-2-504 Umezona, Tsukuba, Ibaraki, 305, Japan

Full name of second joint inventor (given name, family name) Tsuyoshi WATANABE

Inventor's signature

Date

Residence
Ibaraki, JapanCitizenship
JapanMailing Address
3-17-305 Namiki, Tsukuba, Ibaraki, 305, Japan

Full name of third joint inventor (given name, family name) Akira TAKEUCHI

Inventor's signature

Date

Residence
Ibaraki, JapanCitizenship
JapanMailing Address
2-13-28-212 Kawaguchi, Tsuchiura, Ibaraki, 300, Japan☒ Additional joint inventors or legal representative(s) are named on separately numbered sheets forms PTO/SB/02A or 02LR attached hereto.

DECLARATION – Supplemental Priority Data Sheet

Foreign applications:

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
96-352893	Japan	12/13/1996	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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